

44-11(3)

WIVENHOE URBAN  
DISTRICT COUNCIL



ANNUAL

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REPORT

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OF THE

MEDICAL OFFICER OF HEALTH

and

SURVEYOR and PUBLIC HEALTH  
INSPECTOR

FOR THE YEAR

1969

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$$P = \frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x} + \frac{\partial L}{\partial t}$$
[illegible][illegible]

1. The first step is to identify the problem. This involves understanding the current situation and the goals that need to be achieved.

2. The second step is to analyze the problem. This involves breaking down the problem into smaller, more manageable parts and identifying the causes of the problem.

3. The third step is to develop a plan. This involves determining the steps that need to be taken to solve the problem and identifying the resources that will be needed.

4. The fourth step is to implement the plan. This involves putting the plan into action and monitoring progress.

5. The fifth step is to evaluate the results. This involves assessing the effectiveness of the solution and identifying any areas for improvement.

1.

Lexden Grange,  
Lexden Road,  
Colchester.

Mr. Chairman, Lady and Gentlemen,

I have pleasure in presenting my Annual Report on the Health and  
Vital Statistics of the District for year 1969.

I have to thank the members of the Council and the Council's staff  
for their assistance during the year.

I have the honour to be,  
Your Obedient Servant

S. MACMILLAN

Medical Officer of Health



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STAFF

Medical Officer of Health. SYLVIA MACMILLAN, M.R.C.S., I.R.C.P., M.B.R.S., D.P.H.  
Appointed 1st April, 1966. (Time shared with two neighbouring Authorities, and the County Council).

Public Health Inspector and Surveyor. J. KELLY, M.A.P.H.I.

Assistant to the Public Health Inspector and Surveyor. M.C. WALKER, A.R.S.H.

COMMITTEES CONCERNED WITH PUBLIC HEALTH

Public Health Committee - Chairman Councillor E.E.J. Westlake.

Highways & Water Committee - Chairman Councillor W. Sparrow.

Housing Committee - Chairman Councillor T.M. Endean.

Finance & General Purposes Committee - Chairman Councillor L.W. Kemble.

Chairman of the Council - Councillor W.J. Cracknell.

Clerk to the Council - W. Trickett, A.C.C.S.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (Acres) .. .. .	1,493
Register General's estimate of mid-year resident population 1969	4,420
Number of inhabited houses .. .. .	1,516
Rateable Value .. .. .	106,651
Sum represented by a penny rate .. .. .	£463

The district is situated on the east bank of the river Colne where its waters are tidal. It is about four miles down the river from Colchester, and it is also on the main line from London to Clacton-on-Sea. Local industries are shipbuilding, general engineering, agriculture. It is also a small yachting and fishing centre. Half the working population find their employment outside the district.

EXTRACTS FROM THE VITAL STATISTICS OF THE YEAR

		<u>M</u>	<u>F</u>	<u>TOTAL</u>
LIVE BIRTHS	(All	40	37	77
	(Legitimate	39	36	75
	(Illegitimate	1	1	2
Illegitimate live births as % of total live births				2.5%
Birth rate per 1,000 estimated resident population				17.4
Comparability factor .. .. .				1.01
Corrected rate .. .. .				17.6
England and Wales .. .. .				16.3
		<u>M</u>	<u>F</u>	<u>TOTAL</u>
STILL BIRTHS	.. .. .	0	0	0
Still birth rate per 1,000 total (live and still) babies				0
England and Wales .. .. .				13
Total births (live and still births .. .. .				77
INFANTS DEATHS	(All	2	0	2
	(Legitimate	2	0	2
	(Illegitimate	0	0	0
Under 1 year old	.. .. .	2	0	2
Under 4 weeks old	.. .. .	1	0	1
In first week old	.. .. .	0	0	0
Infant mortality rate per 1,000 live births .. .. .				26
Legitimate infants deaths per 1,000 legitimate live births				27
Infant mortality England and Wales .. .. .				18
Perinatal mortality rate (still-births plus deaths during first week per 1,000 total live and still-births) England and Wales				23
Maternal deaths .. .. .				0
Maternal mortality rate .. .. .				0
Total deaths M - 32 F- 11 TOTAL - 43				
Death rate per 1,00 of the estimate population .. .. .				9.7
Comparability factor .. .. .				1.11
Corrected death rate .. .. .				10.8
England and Wales .. .. .				11.9

NATIONAL ASSISTANCE ACTS 1948/51

No action under this act was necessary.



Deaths in various age groups (local statistics).

Under 4 weeks	-	1	35 - 45 years	-	0
4 weeks - 1 year	-	1	45 - 55 years	-	4
1 - 5 years	-	0	55 - 65 years	-	2
5 - 15 years	-	0	65 - 75 years	-	15
15 - 25 years	-	0	75 years and over	-	20
25 - 35 years	-	0			

Causes of Death

	<u>M</u>	<u>F</u>	<u>TOTAL</u>
Malignant neoplasm, Stomach	1	0	1
Malignant neoplasm, Lung, Bronchus	2	0	2
Leukaemia	1	0	1
Other Malignant neoplasms	2	2	4
Other Diseases of Blood, etc.	0	1	1
Hypertensive Disease	2	0	2
Ischaemic Heart Disease	4	1	5
Other forms of Heart Disease	2	0	2
Cerebrovascular Disease	6	3	9
Other Diseases of Circulatory System	3	0	3
Pneumonia	0	2	2
Bronchitis and Emphysema	5	0	5
Other Diseases, Genito-Urinary System	1	0	1
Congenital Anomalies	2	0	2
All other accidents	0	2	2
Suicide and Self-inflicted injuries	1	0	1
Total all Causes	32	11	43

Table showing Birth and Death Rates compared with those of  
England and Wales and Population of Wivenhoe over 10 year period.

Year	BIRTH RATE		DEATH RATE		Pop.
	Wivenhoe (corrected)	Eng.& Wales	Wivenhoe (corrected)	Eng.& Wales	
1969	17.60	16.30	10.80	11.90	4,420
1968	23.03	16.90	6.80	11.90	4,300
1967	22.20	17.20	11.00	11.20	4,140
1966	31.40	17.70	8.00	11.70	4,020
1965	23.96	18.00	9.50	11.50	3,830
1964	30.10	18.40	10.30	11.30	3,630
1963	29.50	18.20	8.81	12.20	3,300
1962	18.80	18.00	10.60	11.90	3,030
1961	25.00	17.40	11.10	12.00	2,750
1960	17.80	17.10	13.20	11.50	2,660
1959	20.90	16.50	9.60	11.60	2,610

#### Observations on Vital Statistics.

I am pleased to be able to report a considerable drop in the birth rate for 1969; it is the lowest it has been throughout the last 10 year period.

The population has steadily increased since 1959 and at the present rate of increase it may well be double the 1959 figure in less than another five years.

The death rate has remained constant on the whole as the National death rate over the period. The age structure for Wivenhoe is similar to that of National age structure but a very little more youthful.



## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

### Laboratory Facilities.

Pathological specimens are sent to the laboratory at the Essex County Hospital, Colchester.

Samples of water are sent to the Public Health Laboratory, Woodbridge Road, Ipswich, when a bacteriological analysis is required, and to the counties Public Health Laboratory, 66 Victoria Street, London, S.W.1., when a chemical or complete analysis is required.

Samples of food and ice cream etc., are examined at the Public Health Laboratory, Ipswich.

### Ambulance Facilities.

Non-emergency calls are not accepted from the general public.

To obtain an ambulance in an emergency it is merely necessary to lift the receiver and ask for an ambulance.

If there is a dialling system in operation, dial "999" "0" or "01" and ask for ambulance.

## HEALTH SERVICES PROVIDED BY THE COUNTY COUNCIL

Ante-Natal and post-natal clinics.	Vaccination and immunisation against
Maternity and child welfare services.	tetanus, diptheria and whooping cough,
Nursing in the home.	and measles.
Mental welfare.	Provision of nursing equipment and
School Health Services.	apparatus.

Ante-Natal and post-natal clinics are held at the Central Health Services Clinic, East Lodge Court, High Street, Colchester at 2.30 p.m. on Tuesdays.

Infant Welfare Clinics and Relaxation Classes are held at the Wivenhoe Public Hall, on first and third Tuesday at 1.45 p.m.

Family Planning Clinic is now held at the Essex County Hospital on Monday, Wednesday and Thursday at 6.30 p.m. - 8.30 p.m.

Assistance from the Home Help Service is obtained by communicating with the Area Organiser, East Lodge Court, High Street, Colchester. Telephone Colchester 79411/9.



# REPORT OF PUBLIC HEALTH INSPECTOR

1. Mains Water Supply. The Tendring Hundred Waterworks Co., continued as the statutory undertaking responsible for the supply of water throughout the Council's district. From the reports below, for which I am indebted to their Chief Engineer Mr. W.A. Burrow, M.I. Mech.M.I.W.E., it will readily be seen a wholesome supply has been given and it has been in sufficient quantity.

The amount of water supplied to Wivenhoe in the 12 months ended 31st December 1969, amounted to 73.485 million gallons, an average daily consumption of 0.201 million gallons. The total quantity taken for domestic purposes during the year was 43.767 million gallons, an average daily consumption of 0.120 million gallons. The total amount taken through trade meters was 29.718 million gallons, an average daily consumption of 0.081 million gallons.

The total number of connections (domestic and trade) made in the year to the Company's mains in the Urban District amounted to 51. Approximately 235 yards of new mains of 3" and 4" diameter have been laid in the Wivenhoe district during the year.

## Bacteriological and Chemical Analyses.

### Queens Road Pumping Station - 29th October, 1969.

Colour	NIL	Albuminoid Nitrogen	0.00
pH.	7.9	Metals (iron)	0.06
Electric Conductivity	1800	Turbidity	NIL
Chlorine present as		Odour	NIL
Chloride	410	Free Carbon Dioxide	8
Hardness, Total	120	Alkalinity and Calcium	
Carbonate	120	Carbonate	305
Non-Carbonate	120	Nitrite Nitrogen	ABSENT
Nitrate Nitrogen	0.2	Residual Chlorine	0.05
Ammoniacal Nitrogen	0.72		

## Bacteriological Results.

No. of Colonies	<u>1 day at 37°C</u>	<u>2 days at 37°C</u>	<u>3 days at 20°C</u>
Developing on Agar	0 per ml.	0 per ml.	0 per ml.
	Present in	Absent from	Probable No.
Presumptive Coli-aerogenes Reaction	0 ml.	100 ml.	0 per ml.
Bact. Coli (type I)	0 ml.	100 ml.	0 per ml.
Cl. Welchii Reaction	0 ml.	100 ml.	



Remarks. This sample is clear and bright in appearance, has a reaction on the alkaline side of neutrality and is free from metals apart from the very minute trace of iron. The hardness of the water is very moderate. The somewhat high content of mineral and saline constituents is typical of this source. The water conforms to the highest standard of organic quality and bacterial purity.

These results indicate a pure and wholesome water suitable for drinking and domestic uses. Its known content of fluoride is however greater than the amount considered most desirable (from the aspect of causing mottled enamel). A slight saline taste due to the content of sodium chloride may be noticeable to some consumers.

Dedham Pumping Station.

Colour	4	Turbidity	- 1.5
pH.	7.5	Odour	FAINT
Electric Conductivity	875	Free Carbon Dioxide	18
Chlorine present as		Alkalinity as Calcium	
Chloride	130	Carbonate	260
Hardness. Total	290	Nitrite Nitrogen	ABSENT
Carbonate	260	Oxygen absorbed	0.01
Non-Carbonate	28	Residual Chlorine	0.20
Nitrate Nitrogen	0.4		
Ammoniacal Nitrogen	0.50		
Albuminoid Nitrogen	0.10		
Metals (iron)	0.15		
Metals (zinc, copper, lead)	ABSENT		

Bacteriological Results.

	<u>1 day at 37°C</u>	<u>2 days at 37°C</u>	<u>3 days at 20°C</u>
No. of Colonies developing on Agar	0 per ml.	1 per ml.	1.5 per ml.
	Present in	Absent from	Probable No.
Presumptive Coli-aerogenes reaction	0 ml.	100 ml.	0 per ml.
Bact. Coli (type I)	0 ml.	100 ml.	0 per ml.
Cl. Welchii Reaction	0 ml.	100 ml.	

Remarks. These samples are practically clear and bright in appearance, have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the County's Public Health Laboratories.



2. Sewers and Sewage. In addition to the normal routine maintenance carried out at the Sewage Works, minor repairs were carried out to the separating wall between the humus tanks and sludge drying beds. A new  $4\frac{1}{2}$ " wall using blue engineering bricks and waterproof cement joints was built on the inside of the distribution channel of the humus tanks and Synthaproof water sealer then applied to the wall. This work prevented the seepage of humus tank effluent into the sludge drying beds, thus allowing the sludge to dry out much quicker for removal.

At the Pumping Station, the No. 1 Duty Pump developed a serious leak around the drive shaft and this required replacement of shaft and spare parts. In addition, the No. 2 Duty Pump blocked on two occasions necessitating the dismantling of the pump.

3. Public Cleansing. The refuse tip has continued to give satisfactory facilities with further excavations for covering material providing additional tipping area.

The new Shelvoke and Drewry 20 yd. Pakamatic refuse collection vehicle has been operating satisfactorily and giving good service. The old 12 yd. Karrier Fore and Aft Tipper was sold by tender during the year.

Minor alterations were carried out to the refuse collection routes in an effort to improve the collection service and to obtain maximum efficiency from the new vehicle, and, to date, this appears to be successful.

4. Petroleum Storage. The number of registered premises remained the same as in 1968.

5. Moveable Dwellings and Houseboats. No action has been necessary in connection with either of these types of habitation.

6. Council House Maintenance. The normal routine repairs, etc., have been carried out during the year.

A survey of the electrical installations in a number of houses in Rosabelle Avenue was carried out to establish those which required major electrical repairs. Of the fifteen houses tested, eight required attention.

Extensive repairs were carried out to the low brick boundary walls of approximately 40 houses. Parts of the brickwork to these walls were either missing or broken and disintegrated. The work was carried out by the Council's Direct Labour Staff.

The annual external painting was carried out as usual and 26 houses were completed during the year.



The following requests were made by tenants during the year and approved by the Council:-

<u>Item</u>	<u>No. of Requests</u>
(1) To erect close boarded fence.	1
(2) To instal an immersion heater.	1
(3) To instal a telephone.	1
(4) To instal a sink unit.	1

7. Housing. The rate of building rose slightly this year (from 30 dwellings in 1968 to 34 this year) and it is expected that this trend will now continue due to the restriction on development having now been lifted by the Essex County Council in conjunction with the Tendring Waterworks Co.

Phase II Rosabelle Avenue scheme comprising 2 terraces each of 2 bedroom and 1 four bedroom houses were completed during the year by the Council.

Approval was given to 10 applications for Standard Grants and £827 was paid to owners of 4 properties for work completed, one of which was for the higher limit.

8. New Buildings. 244 plans for either new buildings or alterations were deposited for Building Regulation approval of which 53 were also for Town and Country Planning Approval. This was an increase of 108 applications compared with last year. One application for Relaxation of the Regulations was received and this was refused by the Council. Two Planning Applications for development were refused; one on the grounds of being contrary to the Town Map and the other due to lack of sewage facilities and access to the site.

9. Roads. Following the receipt of approval from the Essex County Council, the new bus shelters were erected at the agreed points from Colchester Road (University Entrance, East Lodge) to Station Road.

Disused bus stop poles were removed from Wivenhoe Cross, Colchester Road, Belle Vue Road (adjacent to Park Hotel) and Station Road. These poles were left following the transfer of the nameplates to the new bus shelters.

Surface dressing was carried out to Queens Road (old Section - 1000 Sq. Yds) and Clifton Terrace (420 Sq. Yds). In addition, small areas in Bath Street (55 Sq. Yds), Rose Lane (65 Sq. Yds) and entrance to Clifton Terrace (22 Sq. Yds) were surfaced with bituminous macadam and fine cold asphalt.



"Give Way" markings were painted on the following District Roads:-

Vine parade, Heath Road, Tower Road, Spring Lane, Harvey Road, Rosabelle Avenue, De Vere Lane, Manor Road, Ernest Road, Stanley Road, Queens Road, West Street, Alma Street, Black Buoy Hill, and Car Park Entrance.

The roads and sewers in Parkwood Avenue and De Vere Lane were adopted by the Council during the year.

Alterations to footpaths were carried out to provide vehicular accesses to 3 properties.

10. Food. Two complaints were received concerning unsound food products purchased from local stores. One concerned the discolouration of Ostermilk, and the other maggot infested 'back bacon'. Following investigation and analysis by the Public Health Laboratory, Ipswich, no evidence was found to substantiate that the food products were unsound at the time of purchase and no further action was taken by the Council.

28 lbs. smoked cod fillet and 5 lbs. prawns which were unfit for human consumption due to decomposition were surrendered to the Council and disposed of in the proper manner.

11. Prevention of Damage by Pests Act. The incidence of rodent infestation was slightly up compared to last year. The number of wasps nests destroyed rose sharply from last year's total of 3 to 25 this year.

#### Rodent Control

Properties inspected	38	Infested properties treated	35
Rat infestation found	35	Block control treatment	1
Mice infestation found	-	Notices served	Nil

#### ANALYSIS OF INSPECTIONS

Public Health Act	233	Food Premises	25
Council House Maintenance	470	Factories	43
New Buildings	1534	Pest Act	38
Sewers	47	Public Hall	32
Refuse	29	Car Park	24
Street Lighting	380	Quay Selter and Seats	35
Playing Fields	95	Highways Act	54
Cemetery	67	Offices, Shops and	
Churchyard	35	Railway Premises	29
Roads	84	Public Conveniences	47

#### Notices Served.

Public Health Act	(Informal)	Served	25
" " "	"	Abated	25
" " "	(Formal)	Served	1
" " "	"	Abated	1
Highways Act	(Informal)	Served	3
" "	"	Abated	3





